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Document Type Codes: CP=Conference Proceedings; CR=Contractor Report; GD=General Document; JA=Journal Article; MW=Miscellaneous Work; PR=Presentation; PREPRN=NASA Preprint; RP=Reference Publication; TM=Technical Memorandum			
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The relativistic iron line profile in the Seyfert 1 Galaxy IC4329a	C. Done, G.M. Madejski	JP	622
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The Relativistic iron line profile in the Seyfert 1 Galaxy IC4329a	C. Done, G.M. Madejski	JP	622

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Recent Results for AGN Observed by the Rossi X-Ray Timing Explorer	G.M. Madejski	PR	622
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Recommended Priorities for NASA's Gamma Ray Astronomy Program 1999-2010: Report of the Gamma Ray Astronomy Program Working Group April 1999	N. Gehrels	NP	661
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ASCA Observations of an “X-ray Shadow” in the Galactic Plane	S. Park, K. Ebisawa	JP	662
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Emission Lines of DIII in the vertical and ultraviolet spectra of planetary nebulae	F.L. Crawford, F.P. Keenan, L. H. Allen	JP	681
Emission-Line Ratios for NII in Gaseous Nebulae and a Comparison Between Theory and Observations	F.P. Keenan, L.H. Allen, W.A. Feibelman	JP	681
UV Spectral Variability and the Lyman-Alpha Forest in the Lensed Quasar Q0957+561	J.F. Dolan, A.G. Michalitsianos, Q.T. Nguyen, R.J. Hill	JP	681

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The Characteristic Dimension of Lyman-Alpha Forest Clouds Toward Q0957+561	J.F. Dolan, A.G. Michalitsianos, R.J. Hill, Q.T. Nguyen	PR	681
Ultraviolet Galaxy Counts from STIS Observations of the Hubble Deep Fields	J.P. Gardner, T.M. Brown, H.C. Ferguson	PR JP	681
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Far UV Spectroscopy of eta Carinae	R.C. Iping, G. Sonneborn, D.L. Massa, J.B. Hutchings, T.R. Gull	PR JP	681
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Resolving the Wind Structure of Eta Carinae	T. Gull, J. Hiller, K. Ishibashi, K. Davidson	PR	681
The STIS observations of the nebular structures associated with Eta Carinae	T. Gull, J. Hiller, K. Ishibashi, K. Davidson	PR	681
Comparison of three STIS spatially-resolved spectra from March 1998, February 1999, and March 2000	T. Gull, J. Hiller, K. Ishibashi, K. Davidson	PR	681
Mapping the Homunculus and the integral nebula	T. Gull, J. Hiller, K. Ishibashi, K. Davidson	PR	681
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A Comparison of Ultraviolet, Optical, and X-Ray Imagery of Selected Fields in the Cygnus Loop	T. Stecher	JP	681
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The Role of Velocity Redistribution in Enhancing the Intensity of the He II 304 Å Line in the Quiet Sun Spectrum	V. Andretta, S.D. Jordan	PR	682
Clustering of the Diffuse Infrared Light from the COBE DIRBE maps. III. Power spectrum analysis and excess isotropic component of fluctuations	A. Kashlinsky, J.C. Mather, S. Odenwald	PR	685

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A Rotating Space Interferometer with Variable Baselines and Low Power Consumption	D.Y. Gezari	PR	685
“So We’ve Lost the Mission?” Chapter to be published in book entitled “Our Universe: The Magnetism & Thrill of Extragalactic Exploration” edited by Alan Stern, Cambridge Univ., Press 2000	J.C. Mather	JP	685
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Microshutter Arrays for the Multi-Object Spectrometer on NGST	S.H. Moseley, C.W. Bowers, R.K. Fettig, D.B. Mott, et al	PR	685
Near-Infrared Interferometric Images of the Solar System Sized Disk Surrounding the Herbig Ae/Be Star MWC 349A	W.C. Danchi, P.G. Tuthill, J.D. Monnier	JP	685
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Separation of atmospheric and surface spectral features in Mars Global Surveyor Thermal Emission Spectrometer (TES) spectra	M.D. Smith, J.L. Banfield, P.R. Christensen	JP	693
The Relationship Between Magnetotail Dynamics and Substorm Onset Longitudes Determined from Spacecraft Images	A. Leda, D.H. Fairfield, T. Mukai, Y. Saito	PR	695
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The Dipper Satellite: A Medium-class Explorer Mission to the Threshold of Space	R. Pfaff	PR	696
Electric Field Double Probe Measurements for Ionospheric Space Plasma Experiments	R. Pfaff	PR	696
Leonardo-BRDF: A New Generation Satellite Constellation	J. Esper, W. Wiscombe, S. Neeck, M. Ryschkewitsch	PR	730
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Access tp Space Interactive Design Web Site	J. Leon, W. Cutlip, M. Harnetz	PR	740.2
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NASA's Earth Observation Program: Past, Present, and Future	M.D. King, A.F. Hasler	PR	900
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Welcome to NASA's Earth Science Enterprise CD-ROM	S. Spangler, et al	PR	900
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Early Instrument Performance Results from the Terra/Moderate Resolution Imaging Spectroradiometer (MODIS)	V.V. Salomonson, B.W. Guenther, W.L. Barnes, R.E. Murphy	PR JP	900
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Visions of our Planet's Atmosphere, Land & Ocean- ETheater Presentation	F. Hasler	PR	912
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Optimal Scales for Comparing Satellite and Rain Gauge Rainfall Estimates for Verification Purposes	T.L. Bell, P. Kundu	PR JP	913
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the Interaction Between Dynamics and Chemistry of Ozone in the Set-up Phase of the Northern Hemisphere Polar Vortex	S.R. Kawa, A.R. Douglass, R. Bevilacqua, J.J. Margitan, B. Sen	PR JP	916
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A New Fast Algorithm to Completely Account for Non-Lambertian Surface Reflection of the Earth	W. Qin, J.R. Herman, Z. Ahmad	JP	916
Comparison of Temperature and Ozone Measured by the AROTEL Instrument on DC8 Overflights of Ny Aalesund during the SOLVE Mission	W.R. Hoegy, T.J. McGee, J.F. Burris, L. Twigg,	PR	916
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Arctic Chemical Ozone Loss observed by the AEROTEL Instrument During the SOLVE Campaign, December 1999- March 2000	W.R. Hoegy, T.J. McGee, J.F. Burris, L. Twigg, L. Lait, D. Silbert	PR	916
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Calculation of TIR Canopy Hot Spot and Implications for Earth Radiation Budget	J.A. Smith, J.R. Ballard	PR	920
Surface Charge Detection Using Large Footprint Laser Altimetry	J.B. Blair, M.A. Hofton	PR	920

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Radiometric Measurement Comparisons Using Transfer Radiometers in Support of the Calibration of NASA's Earth Observing System (EOS) Sensors	J.J. Butler, B.C. Johnson, S.W. Brown, H.W. Yoon, R.A. Barnes, B.L. Markham, S.F. Biggar, E.F. Zalewski, P.R. Spyak, J.W. Cooper, F. Sakuma	PR	920
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Lidar Altimeter Measurements of Canopy Structure: Methods and Validation for Closed-Canopy, Broadleaf Forests	D.J. Harding, M.A. Lefsky, G.G. Parker, J.B. Blair	JP	921

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The magnetic properties of aggregate polycrystalline diamond: Implications for carbonado petrogenesis	G. Kletetschka, P.T. Taylor, P.J. Wasilewski, H.G.M. Hill	JP	921 961

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BOREAS RSS-12 Airborne Tracking Sunphotometer Measurements	B. Lobitz, M. Spanner, B. Wrigley	TM	923
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BOREAS Level-2 MAS Surface Reflectance and Temperature Images in BSQ Format	B. Lobitz, M. Spanner, R. Strub	TM	923
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BOREAS Regional Soils Data in Raster Format and AEAC Projection	B. Monette, D. Knapp	TM	923
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BOREAS RSS-2 Level-1b ASAS Imagery: At-sensor Radiance in BSQ Format	C. Russell, P. Dabney, W. Kovalick, D. Graham, M. Bur, J. Irons, M. Tierney	TM	923
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BOREAS TE-1 CH ₄ Flux Data over the SSA-OA	D. Anderson, A. Papagno	TM	923
BOREAS TE-1 SSA-Fen Soil Profile Nutrient Data	D. Anderson, A. Papagno	TM	923
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BOREAS TE-1 Soils Data over the SSA Tower Sites in Raster Format	D. Anderson, D. Knapp	TM	923
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BOREAS TF-5 SSA-OJP Tower Flux and Meteorological Data	D. Baldocchi, C. Vogel	TM	923

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BOREAS HYD-8 DEM Data over the NSA-MSA and SSA-MSA in the AEAC Projection	D. Knapp, X. Wang, L.E. Band	TM	923
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First Look at Landsat-7 Mission Performance: Technical and Operational Results to Date	D.L. Williams, J.R. Irons, J.L. Barker, B.L. Markham, J.A. Pedelty	PR	923
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BOREAS AFM-3 NCAR Electra 1994 Aircraft Sounding Data	D. Lenschow, S.P. Oncley	TM	923
BOREAS TF-11 SSA-Fen 1996 Water Surface Film Capping Data	D.P. Billesbach	TM	923
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BOREAS TF-11 Decomposition Data over the SSA-Fen	D. Valentine	TM	923
BOREAS RSS-1 PARABOLA SSA Surface Reflectance and Transmittance Data	D.W. Deering, T.F. Eck, B. Banerjee	TM	923

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BOREAS TGB-7 Rainwater Herbicide and Organochlorine Concentration Data	D. Waite	TM	923
BOREAS TE-12 Incoming PAR Through the Forest Canopy Data	E.A. Walter-Shea, M.A. Mesarch	TM	923
BOREAS TE-12 Leaf Optical Data for SSA Species	E.A. Walter-Shea, M.A. Mesarch, L. Chen	TM	923
BOREAS TE-12 SSA Leaf Water Potential Data	E.A. Walter-Shea, M.A. Mesarch, L. Chen, L. Yang	TM	923
BOREAS TE-12 SSA Shoot Geometry Data	E.A. Walter-Shea, M.A. Mesarch, L. Chen, L. Yang	TM	923
BOREAS TE-12 Leaf Gas Exchange Data	E.J. Arkebauer, L. Yang	TM	923
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BOREAS Hardcopy Maps	E. Nelson, J.A. Newcomer	TM	923
BOREAS TF-7 SSA-OBS Tower Flux and Meteorological Data	E. Pattey, R.L. Desjardins	TM	923
BOREAS RSS-17 1994 ERS-1 Level-3 Freeze/Thaw Backscatter Change Images	E. Rignot, J. Way, K.C. McDonald	TM	923
BOREAS TE-18 30-m Radiometrically Rectified Landsat TM Imagery	F.G. Hall, D. Knapp	TM	923

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BOREAS TE-18 60-m Radiometrically Rectified Landsat TM Imagery	F.G. Hall, D. Knapp	TM	923
BOREAS TE-18 Landsat TM Maximum Likelihood Classification Image of the NSA	F.G. Hall, D. Knapp	TM	923
BOREAS TE-18 Landsat TM Physical Classification Image of the NSA	F.G. Hall, D. Knapp	TM	923
BOREAS TE-18 Biomass Density Image of the SSA	F.G. Hall, D. Knapp	TM	923
BOREAS TE-18 Landsat TM Maximum Likelihood Classification Image of the SSA	F.G. Hall, D. Knapp	TM	923
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BOREAS AES MARSII Surface Meteorological Data	G.B. Atkinson, B. Funk	TM	923
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BOREAS RSS-14 Level-3 Gridded Radiometer and Satellite Surface Radiation Images	G.B. Hodges, E.A. Smith	TM	923

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BOREAS TGB-12 Soil Carbon and Flux Data of NSA-MSA in Raster Format	G. Rapalee, E. Davidson, J.W> Harden, S.E. Trumbore, H. Veldhuis	TM	923
BOREAS TF-1 SSA-OA Weekly Tower CH4, and N2) Flux	G. Thurell, G. Edwards, I. Simpson	TM	923
BOREAS TE-22 Allometric Forest Survey Data	H.H. Shugart, E. Nielsen	TM	923
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BOREAS TE-9 In Situ Diurnal Gas Exchange of NSA Boreal Forest Stands	H. Margolis, M. Coyea, Q. Dang	TM	923
BOREAS TE-9 NSA Photosynthetic Capacity and Foliage Nitrogen Data	H. Margolis, M. Coyea, Q. Dang	TM	923
BOREAS TE-9 PAR and Leaf Nitrogen Data for NSA Species	H. Margolis, M. Coyea, Q. Dang	TM	923
BOREAS TE-9 NSA Photosynthetic Response Data	H. Margolis, M. Coyea, Q. Dang	TM	923
BOREAS TE-9 NSA Leaf Chlorophyll Density	H. Margolis, M. Sy	TM	923
BOREAS TF-2 SSA-OA Tower Flux, Meteorological, and Precipitation Data	H. Neumann, R. Mickle, R. Staebler	TM	923

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BOREAS TGB-10 Oxidant Flux Data over the SSA	H. Westberg, B. Hall, A. Jackson	TM	923
BOREAS TGB-10 Volatile Organic Carbon Data over the SSA	H. Westberg, B. Hall, A. Jackson	TM	923
BOREAS TE-4 Gas Exchange Data from Boreal Tree Species	J.A. Berry, J. Collatz, J. Gamon, W. Fu, A. Fredeen	TM	923
BOREAS TE-4 Branch Bag Data from Boreal Tree Species	J.A. Berry, J. Gamon, W. Fu, A. Fredeen	TM	923

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BOREAS RSS-14 Level-1a GOES-7 Visible, Infrared, and Water Vapor Images	J.A. Newcomer, D. Faysash, H.J. Cooper, E.A. Smith	TM	923
BOREAS RSS-14 Level-1 GOES-7 Visible, Infrared, and Water Vapor Images	J.A. Newcomer, D. Faysash, H.J. Cooper, E.A. Smith	TM	923
BOREAS RSS-14 Level-1a GOES-8 Visible, Infrared, and Water-Vapor Images	J.A. Newcomer, D. Faysash, H.J. Cooper, E.A. Smith	TM	923
BOREAS RSS-14 Level 1 Visible, Infrared, and Water-Vapor Images	J.A. Newcomer, D. Faysash, H.J. Cooper, E.A. Smith	TM	923
BOREAS Level-0 AOCl Imagery: Digital Counts in BIL Format	J.A. Newcomer, R. Dominguez	TM	923
BOREAS Level-0 C-130 Aerial Photography	J.A. Newcomer, R. Dominguez	TM	923
BOREAS Level-0 ER-2 Daedalus TMS Imagery: Digital Counts in BIL Format	J.A. Newcomer, R. Dominguez	TM	923
BOREAS Level-0 ER-2 Aerial Photography	J.A. Newcomer, R. Dominguez	TM	923
BOREAS Level-0 NS001 TMS Imagery: Digital Counts in BIL Format	J.A. Newcomer, R. Dominguez	TM	923
BOREAS Level-0 TIMS Imagery: Digital Counts in BIL Format	J.A. Newcomer, R. Dominguez	TM	923

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BOREAS RSS-18 Level-1b AVIRIS Imagery: At-Sensor Radiance in BIL Format	J.A. Newcomer, R.O. Green	TM	923
BOREAS TE-5 CO2 Concentration and Stable Isotope Composition	J. Ehleringer, J.R. Brooks, L. Flanagan	TM	923
BOREAS TE-5 Diurnal CO2 Canopy Profile Data	J. Ehleringer, J.R. Brooks, L. Flanagan	TM	923
BOREAS TE-5 Leaf Carbon Isotope Data	J. Ehleringer, J.R. Brooks, L. Flanagan	TM	923
BOREAS TE-5 Leaf Gas Exchange Data	J. Ehleringer, J.R. Brooks, L. Flanagan	TM	923
BOREAS TE-5 Soil Respiration Data	J. Ehleringer, J.R. Brooks, L. Flanagan	TM	923
BOREAS TE-5 Surface Meteorological and Radiation Data	J. Ehleringer, J.R. Brooks, L. Flanagan	TM	923
BOREAS TE-5 Tree Ring and Carbon Isotope Ratio Data	J. Ehleringer, J.R. Brooks, L. Flanagan	TM	923
BOREAS HYD-9 Hourly and Daily Radar Rainfall Maps for the Southern Study Area	J. Eley, T. Krauss	TM	923
BOREAS TE-6 Predawn Leaf Water Potentials and Foliage Moisture Contents	J.G. Vogel	TM	923

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BOREAS RSS-14 Level-2 GOES-7 Shortwave and Longwave Radiation Images	J. Gu, E.A. Smith	TM	923
BOREAS TF-10 NSA-Fen Tower Flux and Meteorological Data	J.H. McCaughey, D. Jelinski	TM	923
BOREAS TF-10 NSA-YJP Tower Flux, Meteorological, and Porometry Data	J.H. McCaughey, L. Liblik	TM	923
BOREAS AFM-4 Twin Otter Aircraft Flux Data	J.J. MacPherson, R.L. Desjardins	TM	923
BOREAS AFM-4 Twin Otter Aircraft Sounding Data	J.J. MacPherson, R.L. Desjardins	TM	923
BOREAS TE-21 Daily Surfce Meteorological Data	J. Kimball	TM	923
BOREAS TGB-3 Plant Species Composition Data over the NSA-Fen	J.L. Bubier	TM	923
BOREAS TGB-1, TGB-3 CH4 Chamber FLux Data over the NSA-Fen	J.L. Bubier, T.R. Moore	TM	923
BOREAS TGB-1, TGB-3 NEE Data over the NSA Fen	J.L. Bubier, T.R. Moore	TM	923
BOREAS TGB-1, TGB-3 Water Table and Peat Temperature Data over the NSA	J.L. Bubier, T.R. Moore, N. Comer	TM	923

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Southern Africa Validation of NASA's Earth Observing System (SAVE EOS)	J.L. Privette	PR	923
BOREAS RSS-7 LAI, Gap Fraction, and FPAR Data	J.M. Chen	TM	923
BOREAS RSS-7 Regional LAI and FPAR Images from Ten-Day AVHRR-LAC Composites	J.M. Chen, J. Cihlar	TM	923
BOREAS RSS-7 Landsat TM LAI Images of the SSA and NSA	J.M. Chen, J. Cihlar	TM	923
BOREAS TF-9 SSA-OBS Tower Flux, Meteorological, and Soil Temperature Data	J.M. Massheder, J.B. Moncrieff, M.B. Rayment, P.G. Jarvis	TM	923
BOREAS TE-6 1994 Soil and Air Temperatures in the NSA	J.M. Norman, T. Wilson	TM	923
BOREAS Level-3a Landsat TM Imagery: Scaled At-sensor Radiance in BSQ Format	J. Nickeson, D. Knapp, J.A. Newcomer, J. Cihlar	TM	923
BOREAS Level-3b Landsat TM Imagery: At-sensor Radiance in BSQ Format	J. Nickeson, D. Knapp, J.A. Newcomer, J. Cihlar	TM	923
BOREAS Level-3p Landsat TM Imagery: Geocoded and Scaled At-sensor Radiance	J. Nickeson, D. Knapp, J.A. Newcomer, J. Cihlar	TM	923
BOREAS Level-3s Landsat TM Imagery: Scaled At-sensor Radiance in LGSOWG Format	J. Nickeson, D. Knapp, J.A. Newcomer, J. Cihlar	TM	923

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BOREAS Level-3s SPOT Imagery: Scaled At-sensor Radiance in LGSOWG Format	J. Nickeson, D. Knapp, J.A. Newcomer, J. Cihlar	TM	923
SERM Forest Cover Data of Saskatchewan in Vector Format	J. Nickeson, F. Gruszka	TM	923
SERM Forest Cover Data Layers over the SSA-MSA in Raster Format	J. Nickeson, F. Gruszka	TM	923
SERM Forest Cover Data Layers of the SSA in Vector Format	J. Nickeson, F. Gruszka	TM	923
BOREAS HYD-3 Snow Measurements	J.P. Hardy, R.E. Davis	TM	923
BOREAS HYD-3 Subcanopy Meteorological Measurements	J.P. Hardy, R.E. Davis	TM	923
BOREAS HYD-3 Subcanopy Incoming Solar Radiation Measurements	J.P. Hardy, R.E. Davis	TM	923
BOREAS HYD-3 Tree Measurements	J.P. Hardy, R.E. Davis	TM	923
BOREAS HYD-4 Areal Snow Course Data	J.R. Metcalfe, B.E. Goodison, A. Walker	TM	923
BOREAS HYD-4 Standard Snow Course Data	J.R. Metcalfe, B.E. Goodison, A. Walker	TM	923

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BOREAS RSS-19 1994 Seasonal Understory Reflectance Data	J.R. Miller, H.P. White, D. Peddle, J. Freemantle	TM	923
BOREAS RSS-19 1994 CASI At-Sensor Radiance and Reflectance Images	J.R. Miller, J.R. Freemantle	TM	923
BOREAS RSS-19 1996 CASI At-Sensor Radiance and Reflectance Images	J.R. Miller, J.R. Freemantle	TM	923
BOREAS RSS-8 BIOME-BGC Model Simulations at Tower Flux Sites in 1994	J.S. Kimball	TM	923
BOREAS RSS-8 BIOME-BGCSA Simulations of Annual Water and Carbon Fluxes	J.S. Kimball	TM	923
BOREAS TGB-5 Biogenic Soil Emissions of NO and Nitrous Oxide	J.S. Levine, E.L. Winstead, D.A.B. Parsons, M.C. Scholes, R.J. Scholes, W.R. Cofer, D.R. Cahoon, D.I. Sebacher	TM	923
BOREAS TE-9 In Situ Understory Reflectance within the NSA	J. Supronowicz, G. Edwards, A. Viau, K. Thompson	TM	923
BOREAS AFM-6 Boundary Layer Height Data	J. Wilezak	TM	923
BOREAS AFM-6 Surface Meteorological Data	J. Wilezak	TM	923
BOREAS AFM-6 Mean Temperature Profile Data	J. Wilezak	TM	923

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BOREAS AFM-6 Mean Wind Profile Data	J. Wilezak	TM	923
BOREAS RSS-17 Dielectric Constant Profile Measurements	K.C. McDonald, R. Zimmermann, J. Way	TM	923
BOREAS RSS-17 Stem, Soil, and Air Temperature Data	K.C. McDonald, R. Zimmermann, J. Way	TM	923
BOREAS RSS-17 Xylem Flux Density Measurements at the SSA-OBS Site	K.C. McDonald, R. Zimmermann, J. Way	TM	923
BOREAS TF-8 NSA-OJP and SSA-OBS Ceilometer Data	K.E. Moore, D.R. Fitzjarrald	TM	923
BOREAS TF-8 NSA-OJP Tower Flux, Meteorological, and Soil Temperature Data	K.E. Moore, D.R. Fitzjarrald	TM	923
BOREAS RSS-15 SIR-C and Landsat TM Biomass and Landcover Maps of the NSA and SSA	K.J. Ranson	TM	923
Characterization of forests in western Sayan Mountains, Siberia from SAR data	K.J. Ranson, G. Sun, V.I. Kharuk, K. Kovacs	JP	923
BOREAS TGB-3 CH4 and CO2 Chamber FLux Data over the NSA Upland Sites	K. Savage, T.R. Moore	TM	923
Advances in Fluorescence Sensing Systems for the Remote Assessment of Nitrogen Supply in Field Corn	L.A. Corp, E.W. Chappelle, M.S. Kim	PR	923

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BOREAS TGB-1, TGB-3 NEE Data over the NSA Fen	L. Bellisario, T.R. Moore	TM	923
BOREAS AFM-12 1-km AVHRR Seasonal Land Cover Classification	L. Steyaert, F.G. Hall, T.R. Loveland	TM	923
BOREAS TF-9 SSA-OBS Branch Level Flux Data	M.B. Rayment, P.G. Jarvis	TM	923
Prince Albert National Park Forest Cover Data in Vector Format	M. Fitzsimmons, J. Nickeson	TM	923
BOREAS TE-2 Foliage Respiration Data	M.G. Ryan, M. Lavigne	TM	923
BOREAS TE-2 Root Respiration Data	M.G. Ryan, M. Lavigne	TM	923
BOREAS TE-2 Stem Growth and Sapwood Data	M.G. Ryan, M. Lavigne	TM	923
BOREAS TE-2 Continuous Wood Respiration Data	M.G. Ryan, M. Lavigne	TM	923
BOREAS TE-2 Wood Respiration Data	M.G. Ryan, M. Lavigne	TM	923
Remote Sensing and the Kyoto Protocol: A review of Available and Future Technology for Monitoring Treaty	M. Imhoff, A. Rosenqvist, A> Milne, C. Dobson	PR	923

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Generating Accurate Urban Area Maps from Nighttime Satellite (DMSP/OLS) Data	M. Imhoff, W. Lawrence, C. Elvidge	PR	923
VHF Radar Measurement of Tropical Forests in Panama: Results from the BioSAR Deployment in Central America	M. Imhoff, W. Lawrence, R. Condit, J. Wright, et al	PR	923
BOREAS TE-13 Biometry Reports in PDF Format	M.J. Apps, D. Halliwell	TM	923
BOREAS TF-3 Automated Chamber CO ₂ Flux Data from the NSA-OBS	M.L. Goulden, P.M. Crill	TM	923
The Use of Multi-source Satellite and Geospatial Data to Study the Effect of Urbanization on Primary Productivity in the United States	M.L. Imhoff, C.J. Tucker, W.T. Lawrence, D. Stutzer, R. Rusin	JP	923
Low Frequency Radar Sensor Observations of Tropical Forests in the Panama Canal Area	M.L. Imhoff, L.R. Condit, J. Wright, P. Johnson, W. Holford, J. Hyer, L. May, S. Carson	PR	923
BOREAS TGB-8 Monoterpene Concentration Data over the SSA-OBS and the SSA-OJP	M. Lerdau	TM	923
BOREAS TGB-8 Photosynthetic Rate Data over the SSA-OBS and the SSA-OJP	M. Lerdau	TM	923
BOREAS TGB-8 Starch Concentration Data over the SSA-OBS and the SSA-OJP	M. Lerdau	TM	923
BOREAS RSS-20 POLDER C-130 Measurements of Surface BRDF	M. Leroy	TM	923

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BOREAS RSS-20 POLDER Radiance Images from the NASA C-130	M. Leroy	TM	923
BOREAS RSS-20 POLDER Helicopter-Mounted Measurements of Surface BRDF	M. Leroy	TM	923
BOREAS HYD-9 Belfort Rain Gauge Data	N. Kouwen, R. Soulis, W. Jenkinson, A. Graham, T. Neff	TM	923
BOREAS HYD-9 Tipping Bucket Rain Guage Data	N. Kouwen, R. Soulis, W. Jenkinson, A. Graham, T. Neff	TM	923
BOREAS HYD-9 Streamflow Data	N. Kouwen, R. Soulis, W. Jenkinson, A. Graham, T. Neff	TM	923
BOREAS TGB-4 NSA-BVP Tower Flux nd Meteorological Data	N.T. Roulet	TM	923
SERM Forest Fire Chronology of Saskatchewan in Vector Format	O. Naelapea, J. Nickeson	TM	923
BOREAS TF-6 SSA-YA Surface Energy Flux and Meteorological Data	P. Bessemoulin, D. Puech	TM	923
BOREAS TGB-1 CH1 Concentration and Flux Data from NSA Tower Sites	P.M. Crill, R.K. Varner	TM	923
BOREAS TGB-1 NSA CH4 and CO2 Chamber Flux Data	P.M. Crill, R.K. Varner	TM	923

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BOREAS TGB-1 Soil CH4 and CO2 Profile Data from NSA Tower	P.M. Crill, R.K. Varner	TM	923
BOREAS TGB-1 NSA SF6 Chamber Flux Data	P.M. Crill, R.K. Varner	TM	923
BOREAS TE-23 Canopy and Spectral Data from Hemispherical Photographs	P.M. Rich	TM	923
BOREAS TE-23 Map Plot Data	P.M. Rich, R. Fournier	TM	923
BOREAS AFM-8 ECMWF Hourly Surface and Upper Air Data for the SSA and NSA	P. Viterbo, A. Betts	TM	923
BOREAS ECMWF 6-Hour Analysis and Forecast Data	P. Viterbo, A. Betts, R. Strub	TM	923
BOREAS TGB-5 Dissolved Organic Carbon Data from NSA Beaver Ponds	R. Bourbonnire	TM	923
BOREAS TGB-5 CH4 and CO2 Chamber FLux Data over the NSA	R. Burke, R.G. Zepp	TM	923
BOREAS AFM-2 King Air 1994 Aircraft Flux and Moving Window Data	R.D. Kelly	TM	923
BOREAS AFM-2 Wyoming King Air 1994 Aircraft Sounding Data	R.D. Kelly	TM	923

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BOREAS HYD-8 Gross Precipitation Data	R. Fernandes	TM	923
BOREAS HYD-8 1996 Gravimetric Moss Moisture Data	R. Fernandes	TM	923
BOREAS TE-20 SSA Site Characteristics Data	R.G. Knox	TM	923
P{primary and secondary controls on measurements of forest height using large-footprint lidar at the Hubbard Brook LTER}	R.G. Knox, B. Blair, P.A. Schwarz, M.A. Hofton	PR	923
Landscape-Scale Canopy Complexity in and Near Braulio National Park, Costa Rica	R.G. Knox, J.B. Blair, J.F. Weishampel, D.B. Clark, M.A. Hofton, R. Dubayah	PR	923
BOREAS HYD-1 Under-Canopy Precipitation Data	R.H. Cuenca, S.F. Kelly, D.E. Stangel	TM	923
BOREAS HYD-1 Volumetric Soil Moisture Data	R.H. Cuenca, S.F. Kelly, D.E. Stangel	TM	923
BOREAS HYD-5 Winter Surface Flux Ddata	R. Harding	TM	923
BOREAS TF-4 CO2 and CH4 Soil Profile Data from the SSA	R. Striegl, K. Wickland	TM	923
BOREAS TF-4 SSA-YJP Tower Flux, Meteorological, and Canopy Condition Data	R. Striegl, K. Wickland	TM	923

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BOREAS AES Five-Day Averaged Surface Meteorological and Upper Air Data	R. Strub, J.A. Newcomer	TM	923
BOREAS Landsat MSS Imagery: Digital Counts	R. Strub, J.A. Newcomer	TM	923
BOREAS Level-1b MAS Imagery: At-Sensor Radiance, Relative X and Y Coordinates	R. Strub, P. Hubanks, J.A. Newcomer, S.G. Ungar	TM	923
BOREAS Level-0 C-130 Navigation Data	R. Strub, R. Dominguez, J.A. Newcomer	TM	923
BOREAS Level-0 ER-2 Navigation Data	R. Strub, R. Dominguez, J.A. Newcomer	TM	923
BOREAS Level-1b TIMS Imagery: At-sensor Radiance in BSQ Format	R. Strub, S. Chernobieff, J.A. Newcomer	TM	923
BOREAS TF-11 SSA-Fen Tower Flux and Meteorological Data	S.B. Verma, T.J. Arkebauer	TM	923
BOREAS HYD-1 Soil Hydraulic Properties	S.F. Kelly, R.H. Cuenca	TM	923
BOREAS TE-19 Ecosystem Carbon Balance Model	S. Frolking	TM	923
BOREAS TE-17 Production Efficiency Model Images	S.J. Goetz, S.N. Goward, S.D. Prince, K. Czajkowski, R. Dubayah	TM	923

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BOREAS RSS-4 1994 Southern Study Area Jack Pine LAI and FPAR Data	S. Plummer	TM	923
BOREAS RSS-4 1994 Jack Pine Leaf Biochemistry and Modeled Spectra in the SSA	S. Plummer, N. Lucas, T. Dawson	TM	923
BOREAS RSS-16 AIRSAR CM Images: Integrated Processor Version 6.1 Level-3b	S. Saatchi, J.A. Newcomer, R. Strub, F. Irani	TM	923
BOREAS RSS-16 Level-3b DC-8 AIRSAR SY Images	S. Saatchi, J.A. Newcomer, R. Strub, F. Irani	TM	923
BOREAS TE-8 Aspen Bark Chemistry Data	S. Spencer, B.N. Rock	TM	923
BOREAS TE-8 Aspen Bark Spectral Reflectance Data	S. Spencer, B.N. Rock	TM	923
BOREAS TE-6 Allometry Data	S.T. Gower, J.G. Vogel	TM	923
BOREAS TE-6 Biomass and Foliage Area Data	S.T. Gower, J.G. Vogel	TM	923
BOREAS TE-6 NPP for the Tower Flux Carbon Evaluation and Auxiliary Sites	S.T. Gower, J.G. Vogel	TM	923
BOREAS TGB-12 Isotopic Carbon Dioxide Data over the NSA	S. Trumbore, E. Sundquist, G. Winston	TM	923

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BOREAS TGB-12 222RN Activity Data over the NSA	S. Trumbore, E. Sundquist, G. Winston	TM	923
BOREAS TGB-12 222RN Flux Data over the NSA	S. Trumbore, E. Sundquist, G. Winston	TM	923
BOREAS TGB-12 Soil Carbon Data over the NSA	S. Trumbore, E. Sundquist, G. Winston, J. Harden	TM	923
BOREAS TF-3 NSA-OBS Tower Flux, Meteorological, and Soil Temperature Data	S. Wolfsy, M. Goulden, D. Sutton	TM	923
BOREAS TF-1 SSA-OA Soil Characteristics Data	T.A. Black, Z. Chen, Z. Nesic	TM	923
BOREAS TF-1 SSA-OA Tower Flux, Meteorological, and Soil Temperature Data	T.A. Black, Z. Chen, Z. Nesic	TM	923
BOREAS TF-1 SSA-OA Understory Flux, Meteorological, and Soil Temperature Data	T.A. Black, Z. Chen, Z. Nesic	TM	923
BOREAS TF-11 SSA-Fen 1995 Leaf Area Index Data	T.J. Arkebauer	TM	923
BOREAS TF-11 SSA-Fen Leaf Gas Exchange Data	T.J. Arkebauer	TM	923
BOREAS TF-11 SSA-Fen Soil Surface CO2 Flux Data	T.J. Arkebauer	TM	923

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BOREAS AFM-1 NOAA/ATDD Long-EZ Aircraft Flux Data over the SSA	T.L. Crawford, D. Baldocchi, L. Gunter, E. Dumas	TM	923
BOREAS TE-7 Dendrology Data	T.M.L. Varem-Sanders, I.D. Campbell	TM	923
BOREAS TE-1 SSA Soil Lab Data	T. Nerbas, D. Anderson	TM	923
BOREAS Derived Surface Meteorological Data	T. Twine, D. Rinker, D. Knapp	TM	923
BOREAS HYD-8 1994 Gravimetric Moss Moisture Data	X. Wang	TM	923
BOREAS HYD-8 Throughfall Data	X. Wang, R. Fernandes	TM	923
Performance modeling of an airborne Raman water vapor lidar	D.N. Whiteman, G. Schwemmer, T. Berkoff, H. Plotkin, L. Ramos-Izquierdo, G. Pappalardo	JP	924
Raman lidar measurements of water vapor and cirrus clouds during the passage of hurricane Bonnie	D.N. Whiteman, K.D. Evans, B. Demoz, D. O'C Starr, D. Tobin, et al	JP	924
Automatic Weather Station (AWS) Lidar	J.A.R. Rall, J.B. Abshire, J.D. Spinhirne	PR	924
The Geoscience Laser Altimeter System (GLAS) for the ICESAT Mission	J.B. Abshire, X. Sun, E.A. Ketchum, R.S> Afzal, P.S. Millar	PR	924

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Resonant Third-Degree Diurnal Tides in the Seas off Western Europe	R.D. Ray	JP	926
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Finite Differences and Collocation Methods for the Two Dimensional Heat Equation	J. Kouatchou	JP	931

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An Optimal Bit-Counting Algorithm	M. Mack, G.M. Lapir, S. Berkovich	PR	933, 585
Late Pleistocene interstadial environment on Faddeyevskiy Island, East-Siberian Sea, Russia	A.A. Andrew, D.W. Peteet, F.A. Romanenko, L.V. Filimonova, L.D. Dulerzhitsky, P.E. Tarasov	JP	940
Retrieval of aerosol properties from multi-spectral extinction measurements	A.A. Lacis	PR	940
A Process-based, Climate-sensitive model to derive methane emissions from natural wetlands: application to 5 wetland sites, sensitivity to model parameters and climate	B.P. Walter, M. Heiman	PR	940
Comparisons of Upper Tropospheric Humidity Retrievals from TOVS and METEOSAT	C. Escoffier, J. Bates, A. Chedin, W.B. Rossow, J. Schmetz	JP	940
ISCCP Cloud Properties Associated with Standard Cloud Types Identified in Individual Surface Observations	C.J. Hahn, W.B. Rossow, S.G. Warren	JP	940

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Joint Characterization of the Vegetation by Satellite Observations from Visible to Microwave Wavelengths: A Sensitivity Analysis	C. Prigent, F. Aires, W.B. Rossow, E. Matthews	JP	940
A new eural network approach including first-guess for retrieval of atmospheric water vapor, cloud liquid water path, surface temperature and emissivities over land from satellite microwave observations	C. Prigent, W.B. Rossow, M. Rothstein	JP	940
Late Holocene Environmental Changes from NY-NJ Estuaries	D.M. Peteet	PR	940
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Water Vapor Feedbacks to Climate Change	D. Rind	PR	940
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Origin and Variability of Upper Tropospheric Nitrogen Oxides and Ozone at Northern Mid-Latitudes	D. Schindell, et. al	JP	940
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Towards a global aerosol climatology: Preliminary trends in tropospheric aerosol amounts and corresponding impact on radiative forcing between 1950 and 1990	I. Tegen, D. Koch, A.A. Lacis, M. Sato	JP	940
Influence of the latitudinal temperature gradient on soil dust concentration and deposition in Greenland	I. Tegen, D. Rind	JP	940
Six years of short-spaced monitoring of the v=1 and v=2 J=1-0 S:O maser emission in evolved stars	J. Alcolea, J.R. Pardo, V. Bujarrabal, et. al	JP	940
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Global Warming in the 21st Century: An Alternate Scenario	J.E. Hansen	PR	940

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Aerosol retrievals over the ocean using channel 1 and 2 AVHRR data: a sensitivity analysis and preliminary results	M.I. Mishchenko, I.V. Geogdzhayev, B. Cairns, W.B. Rossow, A.A. Lacis	JP	940
Global Aerosol Climatology Project: An Update	M.I. Mishchenko	PR	940
Full Angular Profile of the Coherent Polarization Opposition Effect	M.I. Mishchenko, J-M. Luck, T.M.. Nieuwenhuizen	JP	940
Global Aerosol Climatology Project: Toward Creating a Global Retrospective Climatology of Aerosol Properties	M. Mishchenko	PR	940

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Scattering properties of needle-like and plate-like ice spheroids with moderate size parameters	N.T. Zakharova, M.I. Mishchenko	JP	940
Near-global survey of cloud column susceptibilities using ISCCP data	Q. Han, W.B. Rossow, J. chou, R.M. Welsh	JP	940
The Density Matrix of H ₂ O - N ₂ O in the Coordinate Representation: A Monte Carlo Calculation of the Far-Wing Line Shape	Q. Ma, R.H. Tipping	JP	940
Does Turbulence in the Iron Convection Zone Cause the Massive Outbursts of Eta Carinae?	R.B. Stothers	JP	940
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A Clue to the Extent of Convective Mixing Inside Massive Stars: The Surface Hydrogen Abundances of Luminous Blue Variables and Hydrogen-Poor Wolf-Rayet Stars	R.B. Stothers, C-W. Chin	JP	940
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A Seasonal and Interannual Variability of the Budgets of N ₂ O and CCl ₃ F	S. Wong, M.J. Prather, D.H. Rind	JP	940
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Application of a Reduced Order Kalman Filter to Initialize a Coupled Atmosphere-ocean Model: Impact on the Prediction of El Nino	J. Ballabera-Poy, A. Busalacchi, R. Murtugudde	JP	970
SeaWiFS Postlaunch Technical Report Series Volume 7, The Fifth SeaWiFS Intercalibration Round-Robin Experiment, July 1996	B.C. Johnson, H.W. Yoon, S.S. Bruce, P-S. Shaw, A. Thompson, S.B. Hooker, R.A. Barnes, R.E. Eplee, Jr., S. Maritorena, J.L. Mueller	TM	970.2
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Arctic Climate and Atmospheric Planetary Waves	D.J. Cavalieri, S. Hakkinen	JP	971
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Tracking the SeaWiFS Record with a Coupled Physical/Biogeochemical/radiative Model of the Global Oceans	W. Gregg	JP	971
A Coupled Ocean General Circulation, Biogeochemical, and Radiative Model of the Global Oceans: Seasonal Distributions of Ocean Chlorophyll and Nutrients	W. Gregg	TM	971
Seasonal Distributions of Global Ocean Chlorophyll and Nutrients with a Coupled Ocean Geenral Circulation, Biogenochemical, and Radiative Model II. Comparisons with Satellite and in sit Data	W.W. Gregg	JP	971

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Hurricane Directional Wave Spectrum Spatial Variation in the Open Ocean	C.W. Wright, E.J. Walsh, D. Vandermark, W.B. Krabill, A.W. Garcia	PR	972
Microwave Sensing of Ocean Winds Including the Use of SAR Imagery [*]	D. Vandemark	PR	972
Sea Surface Slope Statistics for Intermediate and Shore Scale Ocean Waves Measured Using a Low-Altitude Aircraft	D. Vandemark, T. Crawford, R. Dobosy, T. Elfouhaily	PR	972
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Hurricane Directional Wave Spectrum Spatial Variation at Landfall	E.J. Walsh, C.W. Wright, D. Vandemark, W.B. Krabill, A.W. Garcia	PR	972

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Tropospheric Total Ozone in the Region of the Equatorial South Atlantic Ocean	F.J. Schmidlin, E.T. Northam,	PR JP	972
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Five Year Changes in Surface Elevations of the Greenland Ice Sheet Measured by Aircraft Laser Altimetry	W.M. Krabill, E.B. Frederick, C.F. Martin, C.W. Wright, et al	PR	972
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Monthly Oceanic Rainfall Derived from Space-borne Microwave Data	A. TC Chang, L. Chiu	PR	974
Further Evaluation of an Empirical Equation for Annual Total Evaporation	B.J. Choudhury	PR	974
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The Impact of Detailed Snow Physics on the Simulation of Snow Cover and Subsurface Thermodynamics at Continental Scales	M. Stieglitz, A. Ducarne, R. Koster, M. Suarez	JP	974
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Development of a Two Dimensional Synthetic Aperture Radiometer at L-Band	D. LeVine, K. Carver, C. Swift	PR	975

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Salinity Measurements During the Gulf Stream Experiment	D.M. LeVine, C. Koblinsky, S. Howden, M. Goodberlet	PR	975
Development of a Two Dimensional Synthetic Aperture Radiometer at L-Band	D.M. LeVine, K. Carver, C. Swift, M. Goodberlet, I. Popstefanija, J. Mead	PR	975
ESTAR Measurements During SGP-99	D.M. LeVine, M. Haken, S. Bidwell, C. Swift, T. Jackson	PR	975
Passive Microwave Measurementsa Over Conifer Forests at L-Band and C-Band	D.M. LeVine, R. Lang, N. Chauhan, E. Kim, S. Bidwell, M. Goodberlet, M. Haken, P. deMatthaeis	PR	975
Dependence of the Element Patterns of HYDROSTAR on Mutual Coupling	D. Weisman, D. LeVine, T. Dod, P. O'Neill	PR	975
Earth Science Microwave Remote Sensing at NASA's Goddard Space Flight Center	E. Kim	JP	975
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Effect of Combined Spaceborne Microwave and Continuous Lightning Measurements on Precipitation Forecasts of the 1998 Ground-Hog Day Storm	J.A. Weinman, D-E Chang, C.A. Morales	PR	975
Application of Statistical Methods of Rain Rate Estimation to Data from the TRMM Precipitation Radar	J. Jones, L. Liao, K. Okamoto, R. Meneghini	PR	975
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Assimilation of Combined Microwave and Lightning Measurements in a Mesoscale Weather Prediction Model	J. Weinman, D-E. Chang, C. Morales	PR	975
Tropical Cyclone Lightning Distribution and its Relationship to Convection and Intensity Change	J. Weinman, E. Rodgers, H. Pierce, W. Olson	PR	975
Results of a Study of TRMM Static Earth Sensor Performance Using on Orbit Sensor Data	G. Natanson, J. Glickman	PR	CSC
On Orbit Calibration of Satellite Gyroscopes	J. Hashmall, M. Radomski, J. sedlak	PR JP	csc
Magnetometer-Only Attitude and Rate Estimates for Spinning Spacecraft	M. Challa, G. Natanson, N. Ottenstein	PR	CSC